

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 07-066739

(43)Date of publication of application : 10.03.1995

(51)Int.Cl.

H04B 1/10
// H04B 7/26

(21)Application number : 05-210755

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(22)Date of filing : 25.08.1993

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(54) RADIO COMMUNICATION EQUIPMENT

(57)Abstract:

PURPOSE: To simply and efficiently suppress the influence of multipath.

CONSTITUTION: Plural 1st interference wave component estimating circuits 1001 to 100n prepared correspondingly to respective carrier frequency bands estimate interference wave components from the receiving signals of respective carriers, adds 1201 to 120n remove noise components based upon the estimated results and adaptive filters 1301 to 130n correct transfer functions. A carrier judging circuit 1100 judges whether or not interference wave components can be estimated by the circuits 1001 to 100n, and at the time of judging the existence of carrier frequency by which an interference wave component can not be estimated, the interference wave component is estimated by referring to the estimated result of the estimating circuit corresponding to another carrier frequency capable of estimating an interference wave component and the interference wave component of the carrier signal concerned is removed based upon the estimated result.

